



# Hongtek Filtration Co., Ltd

## String Wound Filter Cartridges



### Description

Hongtek String Wound Filter Cartridges are manufactured by honeycomb construction, outer layers are loose while inner layers are tight. We use computer modeling process which optimizes the filter cartridges geometrically and maximizes the use of cartridge surface area by the diamond-shaped depth filtration cones. Strengthen the density design provide high flow rate, low pressure drop and improved dirt holding capacity. Several filter materials are PP, Bleached Cotton and Glass Fibre ect., making more effective in different applications and processes.

### Feature

- 1, Honeycomb construction offer consistent performances of high dirt holding capacity, long service and high flow rate.
- 2, Wide application and excellent chemical compatibility for different applications
- 3, Kinds of Material and flexible design
- 4, Without odor, foaming, adhesives and no fine fibre drop out
- 5, large surface area enhance liquid filtering effect
- 6, Good resistance to water, acids, alkalis

### Application

- Plating Solutions,
- Chemicals
- Food & Beverage
- Electronics and Semiconductor
- PCB industry
- Pre-RO filtration
- Petrochemical Process,
- Pharmaceuticals
- Drinking water filter

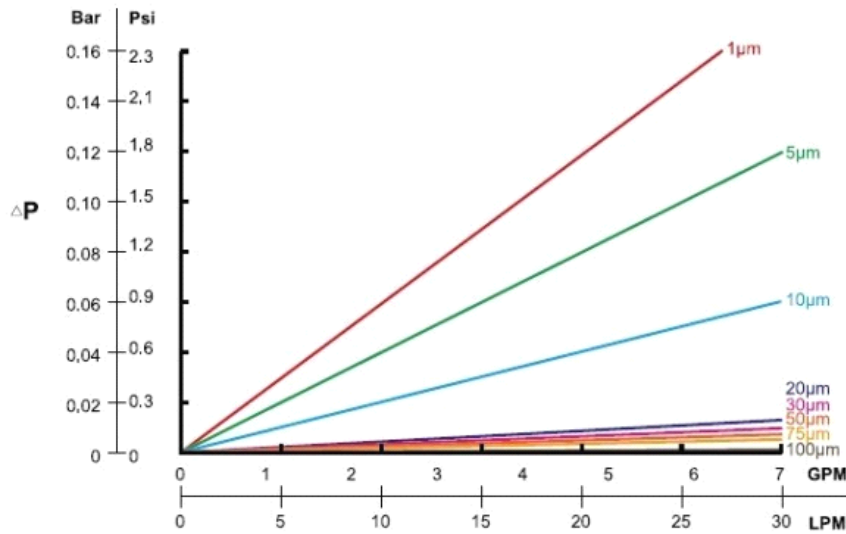
### Specifications

Filter Media	Polypropylene, Bleached Cotton, Glass Fiber
Length	5", 9.75", 9.8", 10", 20", 30", 40", 50"
Micron Rating	1, 5, 10, 20, 30, 50, 75, 100 µm

Inside Diameter	1.1"(28mm), 1.2"(30mm)
Outside Diameter	2.36"(60mm),2.4"(61mm), 2.5"(63mm), 2.55"(65mm)
Core	PP, SUS304, SUS316
Gasket/O-ring	Silicone, EPDM, Viton, Teflon encapsulated Viton
End Cap	Flat ,222 O-Ring,226 O-Ring,Fin

**Operation Data**

Max. Operating Temperature	Polypropylene : 90°C (200°F) Bleached Cotton with SUS Core : 150°C (300°F ) Glass Fiber with SUS Core : 400°C(750°F)
Max. Differential Pressure	2.7 bar at 27 °C (50 psi at 80°F) 1.4 bar at 60 °C(20 psi at 140°F) 0.7 bar at 82 °C(10 psi at 180°F)
Recommended Change Out Differential Pressure :	1 bar (14 psi)



**10" PP String Wound Filter Cartridges**

## Order Information

Normal type : HTSW-P-T-Rating-Length-PP

HTSW	Filter Material	ID	OD	Rating	Length	Core Material	End Cap Type	Seal material
Hongtek String Wound Filter Cartridge	P: Polypropylene	A: 28mm	C: 60mm	01: 1µm	5: 5"	P: PP	I - 222/Flat end	V: Viton
	B: Bleached Cotton	T: 30mm	D: 61mm	05: 5µm	9.75: 9.75"	4: SUS 304	II - 222/Fin	S: Silicon
	G: Glass Fiber		E: 63mm	010: 10µm	9.8: 9.8"	6: SUS 316	III - 226/Flat end	E: EPDM
			F: 65mm	020: 20µm	10: 10"		IV - 226/Fin	B: NBR
	Other Customized Sizes			030: 30µm	20: 20"			
	Other Customized Sizes			050: 50µm	30: 30"			
Other Customized Sizes			075: 75µm	40: 40"				
Other Customized Sizes			100: 100µm	50: 50"				

For Example:

HTSW-P-T-E--01-10-P-II-V

String Wound Filter Cartridge, ID: 30mm, OD: 63mm, Rating: 1µm, Length: 10",

Core Material: PP, End Cap: 222/Fin, Seal material: Viton

## Packing Reference

Long size	Pcs/ctn	G.W/ctn(kg)	Size/ctn (cm)
5"	120	13	54 * 33 * 40
10"	60	13	54 * 33 * 40
20"	30	13	54 * 33 * 40
30"	30	20	78 * 33 * 40
40"	30	26	104 * 33 * 40

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